

**IV. AMENDMENTS TO THE CLAIMS**

1. - 7. (CANCELED).

8. (NEW) A system for measurement and display of environmental data representative of a surrounding environment, comprising:

a sensor for detecting environmental data from the surrounding environment;

a portable telephone including a display panel, a measured data transmission means and a connector connected to the measured data transmission means;

an adapter connected to and between the connector and the sensor for allowing entry of a detected environmental value from the sensor to the portable telephone, for amplifying the detected environmental value received from the sensor and for converting the detected environmental value into measured data that is recognized by the measured data transmission means; and

a server operative for data communication with the portable telephone through a data communication network and for analyzing the measured data, wherein

the portable telephone transmits the measured data to the server, and, after analysis, the server transmits the analyzed measured data to the portable telephone for graphical display on the display panel.

9. (NEW) A system for measurement and display of environmental data according to claim 8, wherein the server includes a data base for storing measured data received from the portable telephone.

10. (NEW) A system for measurement and display of environmental data according to claim 9, wherein the stored measured data includes recent measured data and past measured data.

11. (NEW) A system for measurement and display of environmental data according to claim 10, wherein the server is operative to transmit either the

recent measured data or the past measured data to the portable telephone for graphical display.

12. (NEW) A system for measurement and display of environmental data according to claim 10, wherein the display panel includes a selector, a graph display screen and an instruction screen such that upon activating the selector, either the graph display screen is displayed, the instruction screen is displayed or both the graph display screen and the instruction screen are display.

13. (NEW) A system for measurement and display of environmental data according to claim 12, wherein the instruction screen is operative to transmit a signal to the server to graphically display past measured data on the display panel.

14. (NEW) A system for measurement and display of environmental data representative of a surrounding environment, comprising:

a portable communications device including a display panel and a measured data transmission means;

a sensor for detecting environmental data from the surrounding environment;

an adapter connected to and between the portable communications device and the sensor for allowing entry of a detected environmental value from the sensor to the portable communications device, for amplifying the detected environmental value received from the sensor and for converting the detected environmental value into measured data that is recognized by the measured data transmission means; and

a server operative for data communication with the portable communications device through a data communication network and for analyzing the measured data, wherein

the portable communications device transmits the measured data to the server, and, after analysis, the server transmits the analyzed measured data to the portable communications device for graphical display on the display panel.

15. (NEW) A system for measurement and display of environmental data according to claim 14, wherein the server includes a data base for storing measured data received from the portable communications device.

16. (NEW) A system for measurement and display of environmental data according to claim 15, wherein the stored measured data includes recent measured data and past measured data.

17. (NEW) A system for measurement and display of environmental data according to claim 16, wherein the server is operative to transmit either the recent measured data or the past measured data to the portable telephone for graphical display.

18. (NEW) A system for measurement and display of environmental data according to claim 16, wherein the display panel includes a selector, a graph display screen and an instruction screen such that upon activating the selector, either the graph display screen is displayed, the instruction screen is displayed or both the graph display screen and the instruction screen are display.

19. (NEW) A system for measurement and display of environmental data according to claim 18, wherein the instruction screen is operative to transmit a signal to the server to graphically display past measured data on the display panel.

20. (NEW) A system for measurement and display of environmental data representative of a surrounding environment, comprising:

a sensor for detecting environmental data from the surrounding environment;

a portable telephone including a display panel, a measured data transmission means and a connector connected to the measured data transmission means;

an adapter connected to and between the connector and the sensor for allowing entry of a detected environmental value from the sensor to the portable telephone, for amplifying the detected environmental value received from the sensor

and for converting the detected environmental value into measured data that is recognized by the measured data transmission means; and

a server operative for data communication with the portable telephone through a data communication network and for analyzing the measured data, wherein

output from the sensor is transmitted to the portable telephone after conversion of the sensor output into abstract data such as digital data of a certain format, the adapter operative for eliminating any load to the portable telephone,

the portable telephone transmits the measured data to the server, and, after analysis, the server transmits the analyzed measured data to the portable telephone for graphical display on the display panel.